

**NUTONE RANGE HOOD
NTM SERIES**

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSON(S) OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
2. Before servicing or cleaning unit, switch power off at service panel and lock service disconnecting means to prevent power from being switch on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be done by qualified personnel in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. Do not use this unit with any other solid-state speed control device.
8. To reduce the risk of fire, use only steel ductwork.
9. This unit must be grounded.

TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

- a) Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- b) Always turn hood ON when cooking at high heat or when cooking flaming foods.
- c) Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
- d) Use proper pan size. Always use cookware appropriate for the size of the surface element.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

TO REDUCE THE RISK OF INJURY TO PERSON(S) IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING*:

1. SMOOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. IF THE FLAMES DO NOT GO OUT IMMEDIATELY, EVACUATE AND CALL THE FIRE DEPARTMENT.
2. NEVER PICK UP A FLAMING PAN – You may be burned.
3. DO NOT USE WATER, including wet dishcloths or towels – This could cause a violent steam explosion.
4. Use an extinguisher ONLY if:
 - A. You know you have a Class ABC extinguisher and you know how to operate it.
 - B. The fire is small and contained in the area where it started.
 - C. The fire department has been called.
 - D. You can fight the fire with your back to an exit.

* Based on "Kitchen Fire Safety Tips" published by NFPA.

CAUTION

1. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
3. For best capture of cooking impurities, the bottom of the hood should be a minimum of 25.6" (27.6" over a gas range) above the cooking surface.
4. To reduce the risk of fire and to properly exhaust air on a ducted installation, be sure to duct air outside – Do not exhaust air into spaces within walls or ceiling or into attics, crawl spaces, or garage.
5. Please read specification label on product for further information and requirements.

PLAN THE INSTALLATION

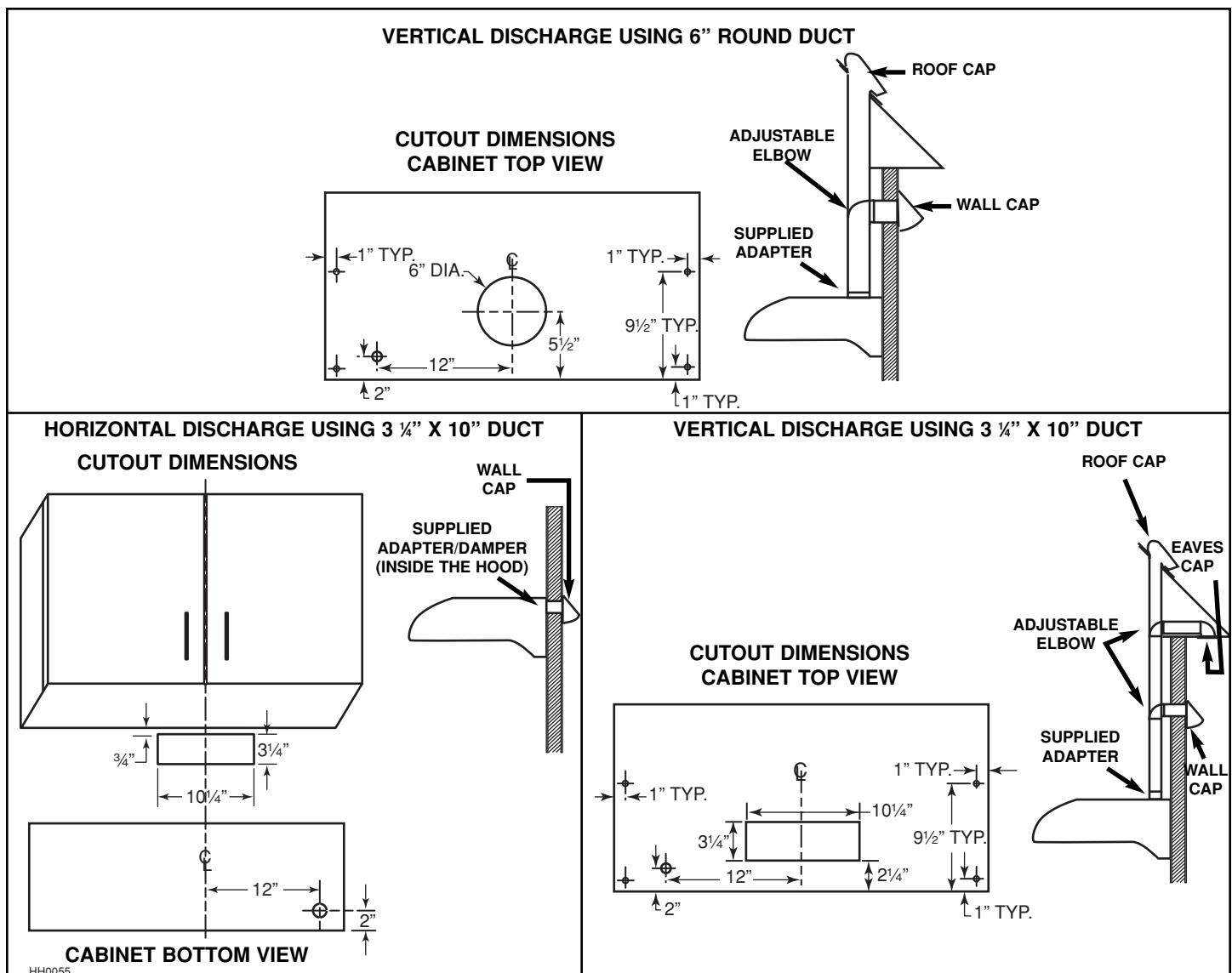
The hood should be mounted to the bottom of a standard wall cabinet. If the hood must be mounted directly to the wall, secure the hood to wall studs.

The hood is connected to a 110-120 V AC lighting circuit (15 amp) in the circuit breaker or fuse box.

- Ductwork can be installed vertically or horizontally.
- Duct runs should be as short as possible.
- Avoid the use of elbows.
- Use duct tape at all joints.
- Do not use duct smaller than the discharge on the hood.

LOCATION PREPARATION

1. Use the dimensional drawings below to lay out the range hood's mounting holes, wiring access and ductwork by marking the cabinet bottom and drywall where applicable.
2. Make cutouts for wiring and ductwork.
3. Install the ductwork so that it is flush to the range hood's mounting surface.
4. Run two-conductor wire (with ground) from a power source to the hood location. Bring approximately 12" of wiring through wiring hole.
5. Drill four $\frac{3}{32}$ " diameter pilot holes at points where mounting holes are marked in cabinet bottom.
6. Insert (4) mounting screws, leaving approximately $\frac{1}{4}$ " of thread exposed.

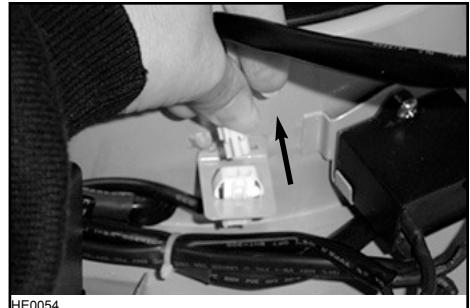


HOOD PREPARATION

1. Remove the bottom panel of the hood by removing its (5) mounting screws and set aside.



2. Unplug the small white connector inside the hood.



3. Remove the (2) screws retaining the electrical box cover and set aside. Punch out the wiring knock-out located on the TOP of the unit and install an approved wire clamp (not included).

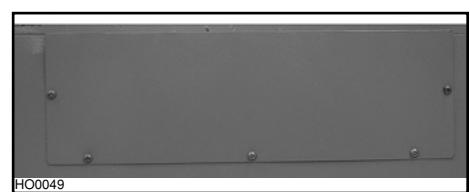


HOOD PREPARATION - VERTICAL DISCHARGE INSTALLATION

1. Install the small shutoff plate (with its gasket) INSIDE the back of the hood, using 10 screws (included).



2. Install the large shutoff plate on the BACK of the hood, using 5 screws (included).



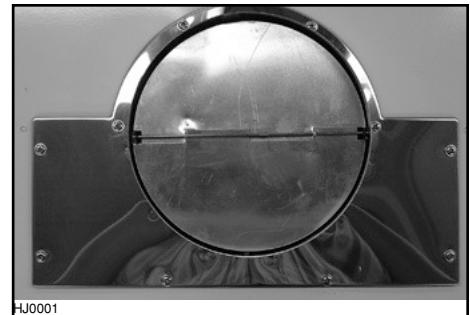
3. Install the rubber gasket (included) on the top of the hood, as shown beside.



HOOD PREPARATION - VERTICAL DISCHARGE INSTALLATION (CONT'D)

6" ROUND DUCT INSTALLATION

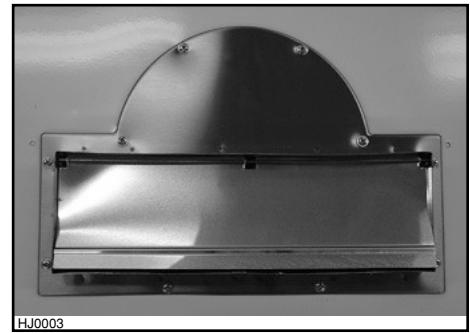
4. Mount the 6" round adapter on the top of the hood, using 10 screws (included).



HJ0001

3½" x 10" DUCT INSTALLATION

4. Mount the 3½" x 10" adapter on the top of the hood, using 10 screws (included).



HJ0003

HOOD PREPARATION - HORIZONTAL DISCHARGE INSTALLATION

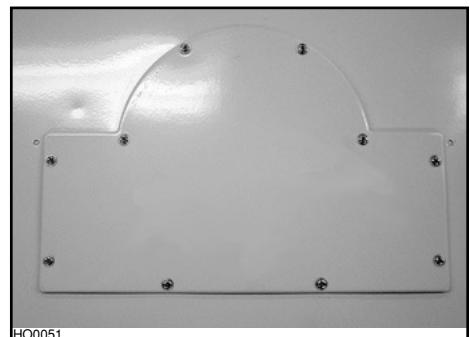
3½" x 10" DUCT INSTALLATION

1. Install the rubber gasket (included) on the top of the hood, as shown beside.



HO0050

2. Mount the shutoff plate on the top of the hood, using 10 screws (included).



HO0051

HOOD PREPARATION - HORIZONTAL DISCHARGE INSTALLATION (CONT'D)

3½" x 10" DUCT INSTALLATION

3. If installed, remove and discard the large shutoff plate located on the BACK of the hood.



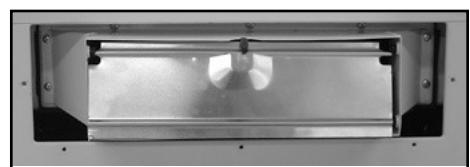
4. If installed, remove and discard the small shutoff plate located INSIDE the back of the hood. Keep the screws for further use. **DO NOT REMOVE THE GASKET!**



5. Using 10 screws previously removed in point 4, install the adapter on the gasket, in the inside back of the hood.



6. Install the damper in the adapter, as shown beside.



HOOD INSTALLATION

1. Insert the power cable in the hood and tighten the wire clamp to secure the cable.
2. Align hood's keyhole mounting slots over the four (4) partially installed screws.
3. Making sure the duct positions over the hood's duct adapter, push the hood against the rear wall. Secure hood by tightening screws.

ELECTRICAL CONNECTION

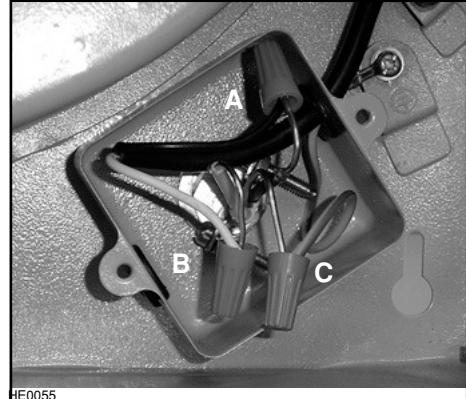
WARNING

Risk of electrical shock. Electrical wiring must be done by qualified personnel in accordance with all applicable codes and standards. Before connecting wires, switch power off at service panel and lock service disconnecting means to prevent power from being switched on accidentally.

1. Using provided wire connectors, connect wires as follow: BLACK wire to BLACK wire (**A**), WHITE wire to WHITE wire (**B**) and GREEN or BARE wire with GREEN-YELLOW wire (**C**).

2. Reinstall wiring box cover.

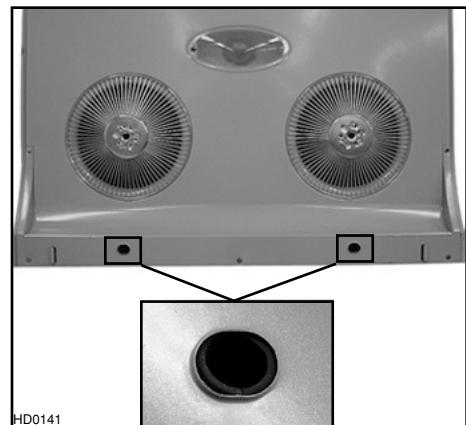
3. Plug back the small white connector inside the hood.



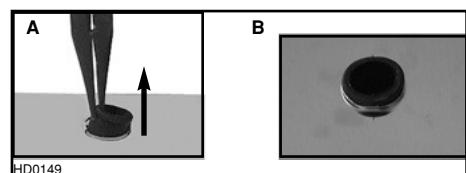
CAUTION

Do not forget to plug the white connector when reinstalling the bottom panel to the hood.

4. Reinstall bottom panel. Make sure both grease guides are aligned with the holes. Install the grease pan.



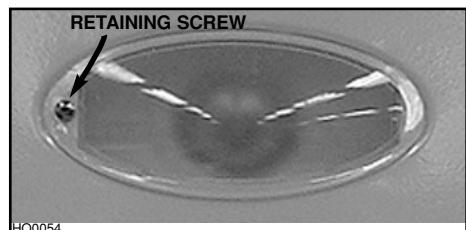
5. Using long nose pliers, pull out the end of each grease guides (**A**). Then, set them in such a way their flange slightly protrudes above the bottom panel surface (**B**).



LIGHT BULB

This hood uses (1) appliance bulb 120 V 40 W maximum (not included).

To access the bulb, unscrew the light diffuser retaining screw.



To remove, rotate the bulb counterclockwise.

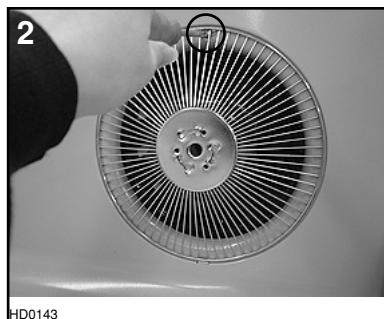
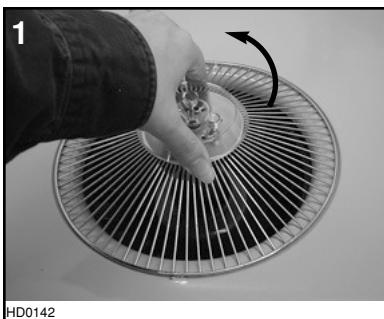
Install the bulb by rotating clockwise in its socket holder.

Reinstall the light diffuser.

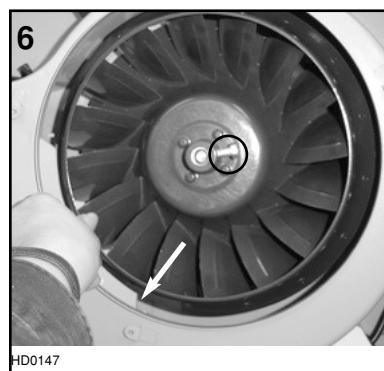
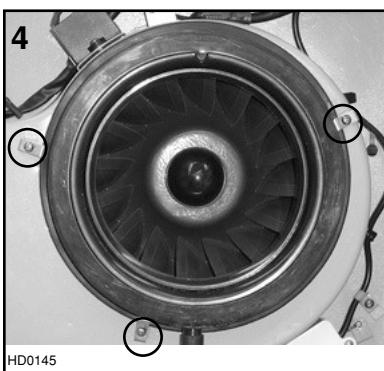


MAINTENANCE

1. Disengage the small grease guard cups from the grease guard by turning counterclockwise and remove.
2. Remove the screw retaining the grease guard to the hood.
3. Remove the grease guard from the hood. Then remove the bottom panel.



4. Unscrew the clips and remove the wheel grease collector.
5. Remove the wheel center cap.
6. Loosen the wheel set screw in order to disengage the wheel from its motor shaft.



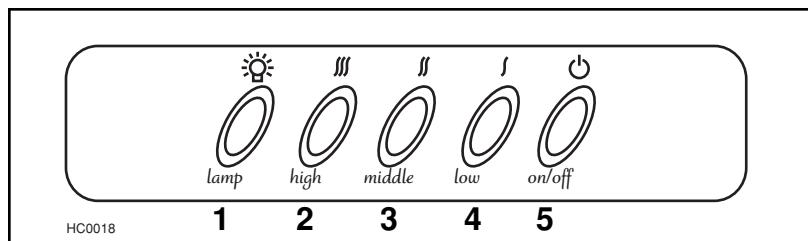
Let soak for 30 minutes all removed parts in warm water with soft soap. Then wash with nylon brush, rinse and dry completely before reinstalling.

NOTE: When reinstalling the wheel, align the end of the set screw with the flat part of the motor shaft (A).

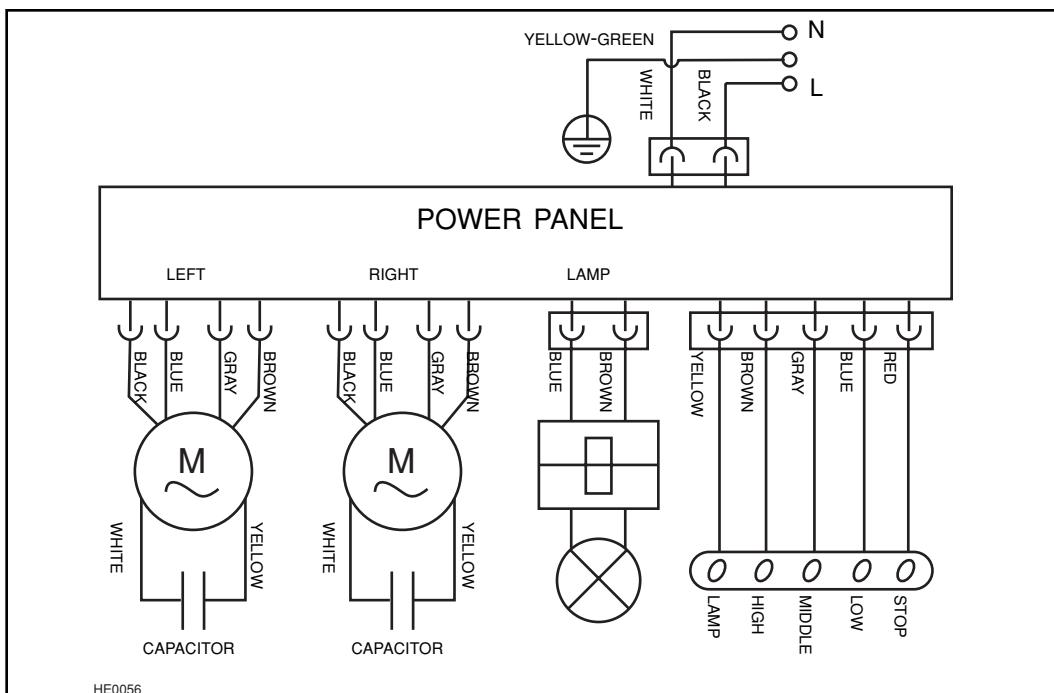


CONTROL

1. Light switch.
2. High speed switch.
3. Middle speed switch.
4. Low speed switch.
5. Power switch.



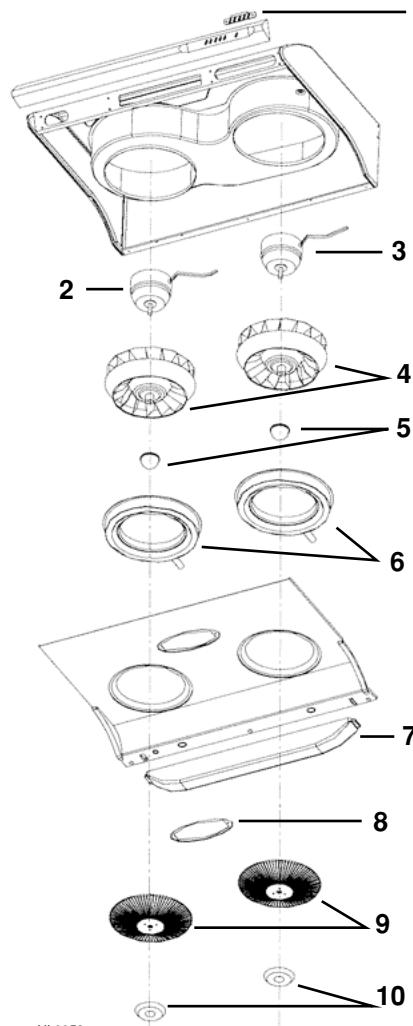
WIRING DIAGRAM



HF0056

SERVICE PARTS

KEY #	PART #	DESCRIPTION	QTY
1	30280018	SWITCH BOARD	1
2	30080420	LEFT MOTOR (CCW)	1
3	30080418	RIGHT MOTOR (CW)	1
4	30111040	BLOWER WHEEL	2
5	30111050	WHEEL CENTER CAP	2
6	30111049	WHEEL GREASE COLLECTOR	2
7	30111042	GREASE PAN	1
8	30111041	LIGHT DIFFUSER	1
9	30390543	METAL GUARD	2
10	30111043	GREASE GUARD CUP	2



HL0059

BROAN-NUTONE CANADA INC.

One Year Limited Warranty

Broan-NuTone Canada warrants to the original purchaser of its products that such products will be free from defects in materials and workmanship for a period of one (1) year from the date of original purchase. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

During this one year period, Broan-NuTone Canada will, at its option, repair, replace, without charge, any product or part which is found to be defective under normal use and service.

THIS WARRANTY DOES NOT EXTEND TO FLUORESCENT LAMP STARTERS OR TUBES, BULBS OR BATTERIES, FILTERS, DUCT, ROOF CAPS, WALL CAPS AND OTHER ACCESSORIES FOR DUCTING. This warranty does not cover (a) normal maintenance and service or (b) any products or parts which have been subject to misuse, negligence, accident, improper maintenance or repair (other than by Broan-NuTone Canada or an authorized representative), faulty installation or installation contrary to recommended installation instructions.

The duration of any implied warranty is limited to the one year period as specified for the express warranty.

BROAN-NUTONE CANADA'S OBLIGATION TO REPAIR OR REPLACE, AT BROAN-NUTONE CANADA'S OPTION, SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. BROAN-NUTONE CANADA SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT FOR OR IN CONNECTION WITH PRODUCT USE OR PERFORMANCE. This warranty supercedes all prior warranties.

To qualify for warranty service, you must (a) notify Broan-NuTone Canada at the address stated below or telephone 1-888-882-7626, (b) give the model number and part identification and (c) describe the nature of any defect in the product or part. At the time of requesting warranty service, you must present evidence of the original purchase date.

Date of Installation _____ Builder or Installer _____

Model No. and Product Description _____

IF YOU NEED ASSISTANCE OR SERVICE:

For the location of your nearest Broan-NuTone Canada Incorporated dealer

Dial Free 1-888-882-7626

Please be prepared to provide:

Product model number • Date and proof of purchase • The nature of the difficulty

Broan-NuTone Canada Incorporated
1140 Tristar Drive, Mississauga, Ontario, Canada L5T 1H9

Product specifications subject to change without notice.